

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently amended) A contents reproduction apparatus comprising:

a contents reproduction part which can reproduce contents from contents data in a plurality of reproduction modes including two-dimensional and three-dimensional display, wherein the contents data comprises at least object data of ~~an object in~~ one or more objects comprising frames of the contents;

a recognition part which recognizes attributes of the one or more objects ~~included in~~comprising a frame of the contents by analyzing the object data associated with the one or more objects;

a determination part that determines the reproduction mode in which to reproduce the frame of the contents on the basis of the attributes of the one or more objects that have been recognized in said recognition part, and further on the basis of one or more predetermined conditions for content reproduction; and

a control part which controls switching between said plurality of reproduction modes on the basis of said reproduction mode that has been determined in said determination part, wherein

said contents reproduction part reproduces said contents in said reproduction mode that has been switched to by said control part.

2. (Previously Presented) The contents reproduction apparatus according to claim 1, wherein said control part controls the switching between said plurality of reproduction modes in the case where the predetermined condition is satisfied at a time of reproduction of said contents.

3. (Original) The contents reproduction apparatus according to claim 2, wherein said predetermined condition includes at least one of a condition concerning time when said contents are reproduced, a condition concerning a place where said contents are reproduced, a condition concerning a user who reproduces said contents and a condition concerning said contents reproduction apparatus for reproducing said contents.

4. (Currently amended) A contents reproduction apparatus comprising:

a contents reproduction part which can reproduce contents from contents data in a plurality of reproduction modes including two-dimensional and three-dimensional display, wherein the contents data comprises at least object data of ~~an object in~~ one or more objects comprising a frame of the contents;

an acquisition part which acquires information concerning the reproduction mode of said contents from at least the object data ~~in said contents data~~ of one more objects comprising the frame of said contents data;

a determination part that determines the reproduction mode in which to reproduce the frame of said contents on the basis of said information concerning the reproduction mode of said contents that has been acquired by said acquisition part; and

a control part which controls switching between said plurality of reproduction modes during reproduction of said contents in said contents reproduction part, on the basis of said reproduction mode that has been determined by said determination part.

5. (Previously Presented) The contents reproduction apparatus according to claim 4, wherein

said information concerning the reproduction mode of said contents includes reproduction mode information for determining the reproduction mode in accordance with a reproduction time of said contents, and

said control part controls the switching between said plurality of reproduction modes for each reproduction time unit of said contents during reproduction of said contents in said contents reproduction part, on the basis of said reproduction mode that has been determined by said determination part from said reproduction mode information.

6. (Previously Presented) The contents reproduction apparatus according to claim 4, wherein

said information concerning the reproduction mode of said contents includes reproduction mode information for determining reproduction modes for each of a plurality of data groups corresponding to respective reproduction time units which are arranged along a time series of the time for reproduction, where said data groups form said contents, and

said control part controls switching between said plurality of reproduction modes for each of said data groups that form said contents during reproduction of said contents in said contents reproduction part, on the basis of said reproduction mode that has been determined by said determination part from said reproduction mode information.

7. (Previously Presented) The contents reproduction apparatus according to claim 6, wherein

said reproduction mode information is information for determining the reproduction mode of a particular data group on the basis of the attributes of one or more objects included in said particular data group,

the contents reproduction apparatus further comprises a recognition part which recognizes said attributes of said objects by analyzing the object data associated with the object, and

said determination part determines said reproduction mode of each of said data groups that form said contents on the basis of said attributes of said objects included in said data groups which have been recognized by said recognition part and said reproduction mode information.

8. (Previously Presented) The contents reproduction apparatus according to claim 7, wherein said determination part determines one reproduction mode in accordance with an order of priority of reproduction modes that have been preset when a plurality of reproduction modes are determined as said reproduction modes of said data groups on the basis of said attributes of said objects included in said data groups that have been recognized by said recognition part.

9. (Previously Presented) The contents reproduction apparatus according to claim 7, wherein said determination part determines one reproduction mode in accordance with an order of priority of objects that have been preset when a plurality of reproduction modes are determined as said reproduction modes of said data groups on the basis of said attributes of said objects included in said data groups that have been recognized by said recognition part.

10. (Original) The contents reproduction apparatus according to claim 9, wherein said order of priority of said objects is the order of priority on the basis of deepness information that has been attached to said objects.

11. (Original) The contents reproduction apparatus according to claim 9, wherein said order of priority of said objects is the order of priority on the basis of the order of alignment along the time series of the time for reproduction of said objects.

12. (Canceled)

13. (Previously presented) The contents reproduction apparatus according to claim 4, wherein said acquisition part acquires said information concerning the reproduction mode of said contents from an external apparatus.

14. (Currently amended) The contents reproduction apparatus according to claim 4, wherein when a portion of said contents cannot be appropriately reproduced in the reproduction mode that has been switched by said control part, said control part controls the switching between said reproduction modes during reproduction of a preceding portion prior to said portion that cannot be appropriately reproduced in said contents reproduction part in order to reproduce, in said contents reproduction part, a succeeding portion of said contents next to the portion that is ~~not~~cannot be appropriately reproduced in said contents reproduction part ~~during reproduction of the preceding portion prior to said portion that is not appropriately reproduced in said contents reproduction part.~~

15. (Currently amended) The contents reproduction apparatus according to claim 4, wherein when a portion of said contents cannot be appropriately reproduced in the reproduction mode that has been switched by said control part, said control part controls the switching between said reproduction modes during reproduction of a portion prior to said portion that cannot be appropriately reproduced in said contents reproduction part such that ~~in order to reproduce, in said contents reproduction part,~~ a portion of said contents next to the portion that is not appropriately reproduced in said contents reproduction part may be appropriately reproduced in said contents reproduction part ~~during reproduction of a portion prior to said portion that is not appropriately reproduced in said contents reproduction part.~~

16. (Previously Presented) The contents reproduction apparatus according to claim 4, wherein said control part controls the switching between said plurality of reproduction modes in the case where a predetermined condition is satisfied, at a time of reproduction of said contents.

17. (Original) The contents reproduction apparatus according to claim 16, wherein said predetermined condition includes at least one of a condition concerning time when said contents are reproduced, a condition concerning a place where said contents are reproduced, a condition concerning a user who reproduces said contents and a condition concerning said contents reproduction apparatus for reproducing said contents.

18. (Currently amended) A contents identification method for identifying ~~the reproduction~~ a reproduction mode for reproducing contents in a reproduction apparatus from a plurality of reproduction modes including two-dimensional and three-dimensional display, wherein said contents comprise contents data that include at least object data of ~~an object in one or more objects comprising a frame of the contents, comprising:~~

~~a recognition step of recognizing, using a processor, attributes of said one or more objects included in comprising the frame of the contents by analyzing the object data associated with the one or more objects; and~~

~~a determination step of determining said reproduction mode in which to reproduce the frame of the contents on the basis of the recognized attributes of the one or more objects, and further on the basis of one or more predetermined conditions for content reproduction; and wherein enabling, using a processor, the contents are enabled to be reproduced in the reproduction apparatus according to the determined reproduction mode.~~

19. (Previously Presented) The contents identification method according to claim 18, wherein said predetermined condition for said contents to be reproduced is a condition that is stored in the reproduction apparatus for reproducing said contents.

20. (Currently amended) The contents identification method according to claim 18, wherein

said predetermined condition for said contents to be reproduced is a condition that is stored in the reproduction apparatus for reproducing said contents in accordance with the ability of said reproduction apparatus, and

in said determination step, said reproduction mode of said contents is determined by giving priority to the ability of said reproduction apparatus to reproduce a specific type of object within ~~the range~~ a range of said condition.

21. (Previously Presented) The contents identification method according to claim 18, wherein in said recognition step, whether or not said object is an object to be three-dimensionally displayed in accordance with said attributes of said object is recognized on the basis of whether or not the data of said object includes deepness information that indicates a depth of said object.

22. (Previously presented) The contents identification method according to claim 18, further comprising a registration step of registering information that indicates said reproduction mode of said contents that have been determined in said determination step by adding to the data of said contents.

23. (Previously Presented) The contents identification method according to claim 22, further comprising a notification step of notifying said reproduction apparatus of said reproduction mode registered with the data of said contents.

24. (Previously Presented) The contents identification method according to claim 18, wherein

said object is included in each of data groups, said data groups forming said contents and arranged in respective reproduction time units along a time series of the time for reproduction, and

in said determination step, said reproduction mode is determined for each of said data groups that form said contents.

25. (Previously Presented) The contents identification method according to claim 24, wherein in said determination step, one reproduction mode is determined in accordance with an order of priority of reproduction modes that has been preset when a plurality of reproduction modes have been determined as said reproduction modes of said data groups on the basis of said attributes of said objects included in said data groups that have been recognized in said recognition step.

26. (Previously Presented) The contents identification method according to claim 24, wherein in said determination step, one reproduction mode is determined in accordance with an order of priority of objects that has been preset when a plurality of reproduction modes have been determined as said reproduction modes of said data groups on the basis of said attributes of said objects included in said data groups that have been recognized in said recognition step.

27. (Original) The contents identification method according to claim 26, wherein said order of priority of said objects is the order of priority on the basis of deepness information that has been added to said objects.

28. (Original) The contents identification method according to claim 26, wherein said order of priority of said objects is the order of priority on the basis of the order of alignment along the time series of the time for reproduction of said objects.

29. (Currently amended) A contents reproduction method for reproducing contents in a reproduction apparatus, wherein information concerning ~~the reproduction~~ a reproduction mode has been added to said contents and wherein said reproduction mode is one of a plurality of reproduction modes including two-dimensional and three-dimensional display, wherein said contents comprise contents data that include at least object data of ~~an object in~~ one or more objects comprising a frame of the contents, comprising:

~~a switching step of switching, using a processor,~~ the reproduction mode of the reproduction apparatus for reproducing the frame of said contents on the basis of said information concerning said reproduction mode that has been added to said contents data, wherein said information is based on attributes of the object data of the one or more objects comprising the frame in the contents; and

~~a reproduction step of reproducing~~ said contents in the reproduction apparatus in said switched reproduction mode.

30. (Currently amended) A computer readable medium storing a contents identification program which instructs a computer to execute a contents identification method for identifying ~~the reproduction~~ a reproduction mode in which to reproduce ~~the contents~~ contents from contents data comprising at least object data of ~~an object in~~ one or more objects comprising a frame of the contents, wherein the reproduction mode is one of a plurality of reproduction modes including two-dimensional and three-dimensional display, comprising:

an identification step of identifying ~~the attributes~~ attributes of said one or more objects included in comprising the frame of the contents by analyzing the object data associated with the one or more objects; and

a determination step of determining said reproduction mode in which to reproduce the frame of the contents on the basis of the identified attributes of the one or more objects and one or more predetermined conditions for contents reproduction.

31. (Previously Presented) The contents identification program product according to claim 30, wherein said predetermined condition for said contents to be reproduced is a condition that is stored in the reproduction apparatus for reproducing said contents.

32. (Currently amended) The contents identification program product according to claim 30, wherein

said predetermined condition for said contents to be reproduced is a condition that is stored in the reproduction apparatus for reproducing said contents in accordance with the ability of said reproduction apparatus, and

in said determination step, said reproduction mode of said contents is determined by giving priority to the ability of said reproduction apparatus to reproduce a specific type of object within ~~the range~~ a range of said condition.

33. (Previously Presented) The contents identification program product according to claim 30, wherein in said recognition step, whether or not said object is an object to be three-dimensionally displayed in accordance with said attributes of said object is recognized on the basis of whether or not the data of said object includes deepness information that indicates a depth of said object.

34. (Previously presented) The contents identification program product according to claim 30, which allows the computer to further execute a registration step of registering information that indicates said reproduction mode of said contents that have been determined in said determination step by adding to the data of said contents.

35. (Previously Presented) The contents identification program product according to claim 34, which allows the computer to further execute a notification step of notifying said reproduction apparatus of said reproduction mode registered with the data of said contents.

36. (Previously Presented) The contents identification program product according to claim 30, wherein

said object is included in each of data groups, said data group forming said contents and arranged in respective reproduction time units along a time series of the time for reproduction, and

in said determination step, said reproduction mode is determined for each of said data groups that form said contents.

37. (Previously Presented) The contents identification program product according to claim 36, wherein in said determination step, one reproduction mode is determined in accordance with an order of priority of reproduction modes that has been preset when a plurality of reproduction modes have been determined as said reproduction modes of said data groups on the basis of said attributes of said objects included in said data groups that have been recognized in said recognition step.

38. (Previously Presented) The contents identification program product according to claim 36, wherein in said determination step, one reproduction mode is determined in accordance with an order of priority of objects that has been preset when a plurality of reproduction modes have been determined as said reproduction modes of said data groups on the basis of said attributes of said objects included in said data groups that have been recognized in said recognition step.

39. (Original) The contents identification program product according to claim 38, wherein said order of priority of said objects is the order of priority on the basis of deepness information that has been added to said objects.

40. (Original) The contents identification program product according to claim 38, wherein said order of priority of said objects is the order of priority on the basis of the order of alignment along the time series of the time for reproduction of said objects.

41. (Currently amended) A computer readable medium storing a contents reproduction program which instructs a computer to execute a contents reproduction method in which to reproduce in a reproduction apparatus ~~the contents~~contents from contents data comprising at least object data of ~~an object in one or more objects comprising a frame of~~ the contents, wherein information concerning ~~the reproduction~~a reproduction mode has been added to said contents data and wherein the reproduction mode is one of a plurality of reproduction modes including two-dimensional and three-dimensional display, comprising:

~~a switching step of~~ switching the reproduction mode of the reproduction apparatus for reproducing the frame of said contents on the basis of said information concerning said reproduction mode that has been added to said contents data, wherein said information is based on attributes of the object data of the one or more objects comprising the frame in the contents; and

~~a reproduction step of~~ reproducing said contents in the reproduction apparatus in said switched reproduction mode.

42. (Previously presented) The contents reproduction apparatus according to claim 1, wherein the contents data comprise animation data.

43. (Previously presented) The contents reproduction apparatus according to claim 42, wherein said contents data comprise a plurality of key frames which are intermittently arranged in a chronological order of reproduction time, wherein each of said key frames include said object data corresponding to objects which comprise said key frames.

44. (Previously presented) The contents reproduction apparatus according to claim 43, wherein said contents reproduction apparatus generates intermediate frames between the key frames at a time of reproduction.